Journal of ROBOTIC SYSTEMS

Author Index to Volume 9

Abe, A., see Sato, K.
Ahalt, S. C., see Hanes, M. D.
Aloimonos, Y., Is Visual Reconstruction Necessary? Obstacle Avoidance Without Passive Ranging, 843
Arkin, R. C., Cooperation Without Communication: Multiagent Schema-Based Robot Navigation, 351
Arkin, R. C., Homeostatic Control for a Mobile Robot: Dynamic Replanning in Hazardous Environments, 197

Backman, see Smith, F. M.
Balaram, J., see Hayati, S.
Benhabib, B., see Partaatmadji, O.
Bejczy, A. K., see Tarn, T. J.
Bhanu, B., see Roberts, B.
Bhattacharyya, S. P., see Moore, K. L.

Cain, J., see Mu, E.
Carnahan, T., see Crane, C.
Cetinkunt, S., Accuracy of Finite Dimensional Dynamic Models of Flexible Manipulators for Controller Design, 327
Chellappa, R., see Shekhar, C.
Chen, C., Deformation Identification and Estimation of One-Dimensional Objects by Vision Sensors, 595
Chen, R.-S., see Huang, H.-P.
Cheng, R. M. H., Kinematics of Automatic Guided Vehicles with an Inclined Steering Column and an Offset Distance: Criterion for Existence of Inverse Kinematic Solution, 1059
Choi, B. W., Optimal Redundancy Resolution of a Kinematically Redundant Manipulator for a Cyclic Task, 481
Chung, M. J., see Choi, B. W.
Crane, C., A Kinematic Analysis of the Modified Flight Telerobotic Servicer Manipulator System, 461
Christensen, B., Model-Based Sensor-Directed Remediation of Underground Storage Tanks, 145
Colbaugh, R., Robot Manipulator Control for Hazardous Waste-Handling Applications, 215

Dahleh, M., see Moore, K. L.
Dai, M. Q., see Partaatmadji, O.
Deng, Z., Explicit Dynamic Equations for a Chain of Flexible Links, 1083
Drotning, W., see Christensen, B.
Duffy, J., see Crane, C.; Kerr, D. R.

Dwivedi, S. N., Periodic Gaits for the CMU Ambler, 1

Emiris, D. M., The Reachability and Dexterity of Dual-Elbow Robot Manipulators, 1021

Fitch, R. C. Jr., see Kolesar, E. S.
Fogle, R. F., Teleoperated Equipment for Emergency Response Applications at the Savannah River Site, 169
Ford, D. G., see Kolesar, E. S.

Ganguly, S., see Tarn, T. J.
Gopal, M., see Swarup, A.
Griffis, M., see Kerr, D. R.
Gupta, K. C., see Mirman, C. R.

Hanes, M. D., Power Grasp Force Distribution Control Using Artificial Neural Networks, 635
Hanson, A. R., see Kumar, R.
Harris, C., DROID Analysis of the NASA Helicopter Images, 773
Hayati, S., Supervisory Telerobotics Testbed for Unstructured Environments, 261
Herrera-Bendezú, L. G., see Mu, E.
Hollen, R. M., Nuclear Sample Management Using a Plutonium Dissolution Robotic System, 161
Huang, H.-P., Modeling and Adaptive Coordination Control of a Two-Robot System, 65
Huang, M. Z., see Varma, H.
Hussien, B., see Sridhar, B.

Jacobsen, S. C., see Smith, F. M.
Jamshidi, M., see Colbaugh, R.

Kaizerman, E., see Partaatmadji, O.
Kavli, Frequency Domain Synthesis of Trajectory Learning Controllers for Robot Manipulators, 663
Kerr, D. R., Redundant Grasps, Redundant Manipulators, and Their Dual Relationships, 973
Kimura, M., see Sato, K.
Kolesar, E. S. Jr., Multiplexed Piezoelectric Tactile Sensor, 37
Kumar, R., Model Extension and Refinement Using Pose Recovery Techniques, 753

Lewis, F. L., see Liu, K.
Li, C.-J., A Systematic Method of Dynamics for Flexible Robot Manipulators, 861
Lin, P. P., An Efficient Technique for Finding the Desired Global Optimum of Robotic Joint Displacement, 1043
Lin, S.-K., An Identification Method for Estimating the Inertia Parameters of a Manipulator, 505
Liu, K., Application of Robust Control Techniques to a Mobile Robot System, 893

Ma, K. S., see Mayorga, R. V.
Mahalingam, S., see Dwivedi, S. N.
Matthies, L., Passive Stereo Range Imaging for Semi-Autonomous Land Navigation, 787
Mayorga, R. V., Procedure for Manipulator Inverse Kinematics Computation and Proper Pseudoinverse Perturbation, 681
Mills, J. K., Stability and Control Aspects of Flexible Link Robot Manipulators During Constrained Motion Tasks, 933
Mirman, C. R., Compensation of Robot Joint Variables Using Special Jacobian Matrices, 113
Mirza, K., see Hanes, M. D.
Moore, K. L., Iterative Learning Control: A Survey and New Results, 563

Mu, E., Computer Generation of Symbolic Kinematics for Robot Manipulators, 385

Nathan, P. J., Nonlinear Ultimate Boundedness Control and Stabilization of a Flexible Robotic Arm, 301

Orin, D. E., see Hanes, M. D.

Partaatmadja, O., Two-Dimensional Orientation Sensor, 365
Pike, M., see Harris, C.

Rajagopalan, R., see Cheng, R. M. H.
Reston, R. R., see Kolesar, E. S.
Roberts, B., Inertial Navigation Sensor Integrated Motion Analysis for Autonomous Vehicle Navigation, 817
Roth, S., see Zhuang, H.
Rowe, J. C., NASA Laboratory Telerobotic Manipulator Control System Architecture, 291

Sanger, D. J., see Kerr, D. R.
Sankar, T. S., see Li, C.-J.
Sato, K., Intelligent Manipulator System with Nonsymmetric and Redundant Master–Slave, 281
Seraji, H., Task-Based Configuration Control of Redundant Manipulators, 411
Shahinpoor, M., Kinematics of a Parallel-Serial (Hybrid) Manipulator, 17
Shekhar, C., Passive Ranging Using a Moving Camera, 729
Singh, S. N., see Nathan, P. J.
Smith, F. M., Telerobotic Manipulator for Hazardous Environments, 251
Smith, P., see Sridhar, B.
Song, S.-M., see Zhang, C.-D.
Sparks, E., see Harris, C.
Sridhar, B., Vision-Based Obstacle Detection for Rotorcraft Flight, 709
Stephens, M., see Harris, C.
Sudhakar, R., see Zhuang, H.
Suorsa, R., see Sridhar, B.
Swarup, A., Linearized Dynamic Models for Trajectory Control of Robot Manipulators, 455

Tarn, T. J., Feedback Control of Robot Arm with Discrete Nonlinear Model, 529
Thurnborg, S., see Christensen, B.
Tourassis, V. D., see Emiris, D. M.

Varma, H., Analytic Minimum-Norm Solution for Rate Coordination in Redundant Manipulators, 1001

Wang, L., see Deng, Z.
Welch, P. J., Applications of Automated Sampling Systems in British Nuclear Reprocessing Plants, 187
Won, J. H., see Choi, B. W.
Wong, A. K. C., see Mayorga, R. V.
Wu, C., see Young, K.

Yang, A.-J., see Lin, P. P.
Young, K., Path Feasibility and Modification, 613
Yu, W.-L., see Cetinkunt, S.

Zhang, C.-D., Forward Kinematics of a Class of Parallel (Stewart) Platforms with Closed-Form Solutions, 93
Zhang, C.-D., Forward Kinematics of Walking Machines with Pantograph Legs Based on Selections of Independent Joints, 955
Zheng, Y. F., see Chen, C.
Zhuang, H., Practical Fusion Algorithms for Rotation Matrices: A Comparative Study, 915